Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	05/04/2022 08:39 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/20/2022 09:34 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	32272	Expiration Date:	09/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125144	0	1.39	125083	1.35
Blue	F	SSC	125000	123948	-1	2.73	124462	2.50
Blue	E	FITC	13602	13120	-4	2.28	368	13.32
Blue	D	PE	24891	24476	-2	1.67	583	10.25
Blue	B	PerCP-Cy5-5	33972	33316	-2	2.91	950	14.38
Blue	A	PE-Cy7	22865	22706	-1	4.90	473	30.19
Red	C	APC	47198	46691	-2	2.58	1615	11.36
Red	A	APC-Cy7	26454	25474	-4	3.00	718	12.59
Violet	B	V450	6737	6424	-5	3.62	447	11.51
Violet	A	V500	29317	28134	-5	3.16	960	8.27

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	24195	2.47	559	24	N/A	N/A	Pass
Blue	F	SSC	55868	2.09	517	-4	N/A	N/A	Pass
Blue	E	FITC	56	53.22	484	0	0.0444	100	Pass
Blue	D	PE	113	37.53	487	1	0.4132	281	Pass
Blue	B	PerCP-Cy5-5	151	40.95	580	1	0.0218	115	Pass
Blue	A	PE-Cy7	80	79.43	623	2	0.0230	6	Pass
Red	C	APC	338	26.13	574	2	0.0292	243	Pass
Red	A	APC-Cy7	132	35.36	551	0	0.0060	1151	Pass
Violet	B	V450	76	48.14	453	3	0.0590	2560	Pass
Violet	A	V500	114	32.23	473	4	0.0271	1217	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.64 - 71.46	N/A	N/A	-31.76	-31.52	0.99
Blue	20.35	16.28 - 24.42	1.29	1.03 - 1.55	0.00	0.00	1.44
Red	16.08	13.90 - 20.86	N/A	N/A	29.89	30.15	1.22

Window Extension: 7.00
FSC Area Scaling Factor: 0.76

Threshold

Threshold (FSC): 9529

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments